

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: WERNER

In re Application of:	)
ULRICH WERNER	)
Int. Appl. No.: PCT/EP2004/010689	)
Int. Filing Date: September 23, 2004	)
For: METHOD AND DEVICE FOR ALTERING THE VIBRATION CHARACTERISTICS OF A MOTOR SYSTEM	)

### FIRST PRELIMINARY AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

Preliminary to the first Official Action in the above-entitled application, please amend the application as follows.

The Commissioner is hereby also authorized to charge any fees which may be required during the pendency of this application, including any patent application processing fees under 37 C.F.R. 1.17, and any filing fees under 37 C.F.R. 1.16, including presentation of extra claims, or credit any overpayment to Deposit Account No: 06-0502.

Please amend the above-entitled application as follows:

## **AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE**

Before the title, delete "Description".

Before paragraph [0001], add the heading --BACKGROUND OF THE INVENTION--.

Before paragraph [0005], add the heading --SUMMARY OF THE INVENTION--.

Amend paragraph [0005] as follows:

[0005] -- It is an object of the invention to provide a machine system and a method for operating a machine system which solve occurring vibration problems in a simple manner. ~~The~~ According to one aspect of the invention, the object is solved by a machine system with the features of claim 1 and having an electric machine and an add-on module, wherein the add-on module is mounted on the electric machine by a mounting system, wherein at least a first mounting system can be exchanged against a second mounting system of a different type, wherein a change in the vibration characteristic of the machine system can be achieved by an exchange.

According to another aspect of the invention, the object is solved by a machine system with the features of claim 2, having an electric machine and an add-on module, wherein the add-on module is mounted on the electric machine by a mounting system, wherein the machine system has different mounting locations for mounting the add-on module on the electric machine by using mounting systems, wherein the mounting locations are only partially occupied by a mounting system, wherein in particular a change in the vibration characteristic of the machine system can be achieved with the mounting systems by changing the occupation of the mounting locations.

According to still another aspect of the invention, the object is solved and by a method of operating a machine system with the characteristic features of claim 10. The dependent claims 3 to 9 and 11 to 13 are inventive modifications

~~of the machine system and of the method, respectively~~ having an electric machine and an add-on module, wherein the add-on module is mounted on the electric machine by a mounting system, wherein at least a first mounting system can be exchanged against a second mounting system of a different type, wherein a change in the vibration characteristic of the machine system can be achieved by an exchange. The object is also solved by use of the method in a machine system.--.

Before paragraph [0023], add the heading --BRIEF DESCRIPTION OF THE DRAWING--.

Before paragraph [0030], add the heading --DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS--.

Page 14, after the heading "CLAIMS" and before the first claim add --What is claimed is:--.

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES  
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1.-14. (Canceled)

15. (New) A machine system having a vibration characteristic, the system comprising:

an machine having a plurality of different mounting locations;

an add-on module; and

a mounting system for mounting the add-on module on the machine at selected ones of the plurality of different mounting locations, thereby producing a vibration characteristic, wherein the vibration characteristic of the machine system is changeable by mounting the add-on module at mounting locations different from the selected mounting locations.

16. (New) The machine system of claim 15, wherein the mounting system includes at least a first mounting system and a second mounting system of a different type, wherein the vibration characteristics of the machine system is altered by replacing the first mounting system with the second mounting system.

17. (New) The machine system of claim 15, wherein the mounting system includes a coupling element.

18. (New) The machine system of claim 17 wherein the coupling element comprises a screw connection.

19. (New) The machine system of claim 15, wherein the mounting system comprises at least one of a spring and a damper.

20. (New) The machine system of claim 15, wherein the coupling element comprises at least one of a spring and a damper.
21. (New) The machine system of claim 15, wherein the mounting system comprises a rubber material or a plastic material, or both.
22. (New) The machine system of claim 15, wherein the coupling element comprises a rubber material or a plastic material, or both.
23. (New) The machine system of claim 15, wherein the mounting system comprises an absorber.
24. (New) The machine system of claim 15, wherein the coupling element comprises an absorber.
25. (New) The machine system of claim 15, wherein the add-on module is a top-mounted cooler of the electric machine.
26. (New) The machine system of claim 16, wherein the add-on component is attached to the machine by the first and second mounting systems.
27. (New) The machine system of claim 15, wherein the machine is an electric machine.

28. (New) A method of operating a machine system having an machine and an add-on module which is mounted on the machine by a mounting system, comprising the steps of:
- mounting the add-on module on the machine with the mounting system at a first mounting location selected from a plurality of predetermined mounting locations;
  - mounting the machine system at another mounting location from the plurality of predetermined mounting locations, said other mounting location different from the first mounting location, to alter a vibration characteristic of the machine system.
29. (New) The method of claim 28, wherein the mounting system includes at least a first mounting system and a second mounting system of a different type, wherein the vibration characteristics of the machine system is altered by replacing the first mounting system with the second mounting system.
30. (New) The method of claim 28, wherein the mounting system includes at least one coupling element, and further comprising replacing the first coupling element with a second coupling element of a different type.
31. (New) The method of claim 28, wherein the mounting system includes at least one coupling element, and further comprising adding to the first coupling element a second coupling element.
32. (New) The method of claim 31, wherein the first coupling element and the second coupling element are of a different type.
33. (New) The machine system of claim 28, wherein the machine is an electric machine.

## **AMENDMENTS TO THE DRAWINGS WITHOUT MARKINGS**

### **IN THE DRAWING:**

Fig. 3 has been amended.